

WHAT IS CLAIMED IS:

1. An isolated polynucleotide comprising a member selected from the group consisting of:
 - (a) a polynucleotide encoding the polypeptide comprising amino acid -24 to amino acid 351 as set forth in SEQ ID NO:2;
 - (b) a polynucleotide encoding the polypeptide comprising amino acid 1 to amino acid 351 as set forth in SEQ ID NO:2
 - (c) a polynucleotide capable of hybridizing to and which is at least 70% identical to the polynucleotide of (a) or (b); and
 - (d) a polynucleotide fragment of the polynucleotide of (a), (b) or (c).
2. The polynucleotide of Claim 1 wherein the polynucleotide is DNA.
3. The polynucleotide of Claim 2 which encodes the polypeptide comprising amino acid 1 to 351 of SEQ ID NO:2.
4. An isolated polynucleotide comprising a member selected from the group consisting of:
 - (a) a polynucleotide which encodes a mature polypeptide having the amino acid sequence expressed by the DNA contained in ATCC Deposit No. 75804;
 - (b) a polynucleotide which encodes a polypeptide having the amino acid sequence expressed by the DNA contained in ATCC Deposit No. 75804;
 - (c) a polynucleotide capable of hybridizing to and which is at least 70% identical to the polynucleotide of (a); and
 - (d) a polynucleotide fragment of the polynucleotide of (a), (b) or (c).
5. The polynucleotide of claim 1 comprising the sequence as set forth in SEQ ID No. 1 from nucleotide 1 to nucleotide 1128.
6. The polynucleotide of claim 1 comprising the sequence as set forth in SEQ ID No. 1 from nucleotide 73 to nucleotide 1128.

7. A vector containing the DNA of Claim 2.

8. A host cell genetically engineered with the vector of Claim 7.

9. A process for producing a polypeptide comprising: expressing from the host cell of Claim 8 the polypeptide encoded by said DNA.

10. A process for producing cells capable of expressing a polypeptide comprising genetically engineering cells with the vector of Claim 7.

11. A polypeptide encoded by the polynucleotide of claim 1 comprising a member selected from the group consisting of (i) a mature polypeptide having the deduced amino acid sequence of SEQ ID NO:2 and fragments, analogs and derivatives thereof; and (ii) a mature polypeptide encoded by the cDNA of ATCC Deposit No. 75804 and fragments, analogs and derivatives of said polypeptide.

12. The polypeptide of Claim 11 wherein the polypeptide comprises amino acid 1 to amino acid 351 of SEQ ID NO:2.

13. A compound which inhibits activation of the receptor for the polypeptide of claim 11.

14. A compound which activates the receptor for the polypeptide of claim 11.

15. A method for the treatment of a patient having need of CTGF-2 comprising: administering to the patient a therapeutically effective amount of the polypeptide of claim 11.

16. The method of Claim 15 wherein said therapeutically effective amount of the polypeptide is administered by providing to the patient DNA encoding said polypeptide and expressing said polypeptide *in vivo*.

17. A method for the treatment of a patient having need to inhibit a CTGF-2 polypeptide comprising: administering to the patient a therapeutically effective amount of the compound of Claim 13.

18. A process for diagnosing a disease or a susceptibility to a disease related to an under-expression of the polypeptide of claim 11 comprising:

determining a mutation in a nucleic acid sequence encoding said polypeptide.

19. A diagnostic process comprising:

analyzing for the presence of the polypeptide of claim 11 in a sample derived from a host.

20. A method for identifying agonist or antagonist compounds to the polypeptide of claim 11 comprising:

contacting a cell expressing on the surface thereof a receptor for the polypeptide, said receptor being associated with a second component capable of providing a detectable signal in response to the binding of a compound to said receptor, with an analytically detectable compound under conditions to permit binding to the receptor;

detecting the absence or presence of a signal generated from the interaction of the compound with the receptor.

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